

SAMPLING BITUMINOUS MATERIALS

AASHTO T 40

SUMMARY OF PROCEDURE

Containers

Asphalt Materials (except Emulsions) -- double friction - top cans, square cans with screw tops, or small mount cans with screw caps

Emulsions -- widemouth jars or bottles made of glass or plastic

Sample Location

Bulk Storage Tanks -- approved sampling valves located in tank or line

Distributor -- approved sampling valve

HMA Plant Storage Tanks -- approved sampling valve located in tank

Transports -- approved sampling valve

Sample Size

Asphalt Materials (except Emulsions) -- 1 qt (1.0 L)

Emulsions -- 1/2 gal. (1.9 L)

Procedure

1. Allow at least 1 gallon (4 liters) of asphalt material to drain out of the valve before taking samples. This cleans out the valve and the lines and helps to provide a representative sample.
2. Seal filled containers immediately with clean, dry, tight fitting lids. Wipe any spilled material from the container with a clean, dry cloth; NEVER with a cloth dipped or soaked in solvent
3. Label all containers clearly. Do not label container lids, because once the labeled lid is removed, it will be difficult to identify the sample in the container. Do all labeling with a wick marking pen. Use tags only when there is no danger of their being lost in transit

NOTE: Follow all safety precautions for handling and storing hot asphalt materials. Asphalt material is hot when sampled, so protective clothing (gloves, face shield, long-sleeved shirt) should be worn to protect from burns and splattering.